

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (original) A wireless communications network comprising:
 - a plurality of Mobile Subscriber (MS) units;
 - at least one base transceiver station (BTS), each BTS communicating wirelessly with ones of said MS units in a network cell;
 - at least one mobile switching center (MSC) administering to said at least one BTS and to any neighboring ones of said at least one MSC; and
 - at least one Gateway Mobile Location Center (GMLC) supporting location services (LCS) and providing an access node for LCS service requests, wherein requests for services from one MS unit of said plurality of MS units are not placed on hold until a LCS request to said one MS unit completes.
2. (original) A wireless communications network as in claim 1, wherein a response to said request for services is provided to said one MS unit before a response is provided for said LCS request.
3. (original) A wireless communications network as in claim 1, wherein upon said request for services said MSC initiates a faked call control connection to said one MS unit.
4. (original) A wireless communications network as in claim 1, further comprising:
 - at least one base station controller (BSC) between a plurality of BTSSs and said MSC, each said BSC administering to said plurality of BTSSs, and wherein upon said request for services, said BSC initiates a faked radio resource location protocol (RRLP) request to said one MS unit.

5. (original) A wireless communications network as in claim 1, further comprising:

a Serving Mobile Location Center (SMLC) performing positional measurement for said plurality of MS units.

6. (original) A wireless communications network as in claim 5, wherein upon said request for services said SMLC initiates a faked radio resource location protocol (RRLP) request to said one MS unit.

7. (currently amended) A wireless communications network as in claim 1, wherein said at least one BTS [[cell]] is a plurality of BTSs [[cells]], and said LCS service requests comprise requests for value added services, emergency services and legal and lawful interception services.

8. (original) A wireless communications network as in claim 1, wherein said LCS service requests are mobile terminating location request (MT-LR) and said requests for services are mobile originated (MO) requests.

9. (original) A wireless communications network as in claim 1, wherein said wireless communications network is a Global System for Mobile Communication (GSM) network.

10. (original) A wireless communications network comprising:

a plurality of Mobile Subscriber (MS) units;

a plurality of base transceiver stations (BTSs), each BTS in a network cell communicating wirelessly with ones of said MS units in said cell;

a plurality of base station controllers (BSCs) administering to ones of said plurality of BTSs;

a plurality of mobile switching centers (MSC) administering to said plurality of BSCs and to any neighboring ones of said plurality of MSCs;

at least one Serving Mobile Location Center (SMLC) performing positional measurement for ones of said plurality of MS units; and

at least one Gateway Mobile Location Center (GMLC) providing an access node for mobile terminating location requests (MT-LRs) from external LCS clients, wherein mobile

originated (MO) requests for services from ones of said plurality of MS units are not placed on hold until MT-LRs to requesting said ones of said plurality of MS units complete.

11. (original) A wireless communications network as in claim 10, wherein said wireless communications network is a Global System for Mobile Communication (GSM) network and responses to said MO requests are provided before a response is provided for a corresponding said MT-LR.

12. (original) A wireless communications network as in claim 10, wherein upon said request for services said MSC initiates a faked call control connection to said requesting ones of said plurality of MS units.

13. (original) A wireless communications network as in claim 10, wherein upon said request for services one BSC initiates a faked radio resource location protocol (RRLP) request to said requesting ones of said plurality of MS units.

14. (original) A wireless communications network as in claim 10, wherein upon said request for services said SMLC initiates a faked radio resource location protocol (RRLP) request to said requesting ones of said plurality of MS units.

15. (original) A wireless communications network as in claim 10, wherein said external LCS clients request location services comprising: value added services, emergency services and legal and lawful interception services.

16. (original) A method of managing a wireless communications network, said method comprising the steps of:

- a) initiating a mobile terminating location request (MT-LR) for a particular mobile subscriber (MS) unit;
- b) idling the mobility management (MM) layer of said particular MS unit;
- c) initiating a mobile originated (MO) request for services from said particular MS unit;

- d) processing said MO request; and
- e) providing a response to said MT-LR.

17. (original) A method of managing a wireless communications network as in claim 16, wherein said response is provided in step (e) to said MT-LR after a response is provided to said MO request.

18. (canceled)

19. (currently amended) A method of managing a wireless communications network as in claim 26 [[18]], wherein said faked CC connection originates in a visited mobile switching center (V-MSC) currently serving a mobile subscriber originating said MO request.

20. (currently amended) A method of managing a wireless communications network as in claim 16, wherein the step (d) of processing the MO request comprises originating a faked radio resource location protocol (RRLP) request in parallel with the MT-LR request.

21. (original) A method of managing a wireless communications network as in claim 20, wherein said faked RRLP request originates in a base station controller (BSC) currently serving a mobile subscriber originating said MO request.

22. (original) A method of managing a wireless communications network as in claim 20, wherein said faked RRLP request originates in a Serving Mobile Location Center (SMLC).

23. (original) A method of managing a wireless communications network as in claim 16, wherein MT-LR is a request for location service (LCS).

24. (original) A method of managing a wireless communications network as in claim 23, wherein said request for LCS provides tracking data for a mobile subscriber.

25. (original) A method of managing a wireless communications network as in claim 16, wherein said wireless communications network is a Global System for Mobile Communication (GSM) network.

26. (new) A method of managing a wireless communications network, said method comprising the steps of:

- a) initiating a mobile terminating location request (MT-LR) for a particular mobile subscriber (MS) unit;
- b) idling the mobility management (MM) layer of said particular MS unit;
- c) initiating a mobile originated (MO) request for services from said particular MS unit;
- d) processing said MO request comprising originating a faked Call Control (CC) connection in parallel with said MT-LR; and
- e) providing a response to said MT-LR.